

Title (en)

ELECTROLUMINESCENT DEVICE AGING COMPENSATION WITH REFERENCE SUBPIXELS

Title (de)

ALTERUNGSKOMPENSATION EINES ELEKTROLUMINESZENZBAUELEMENTS MIT REFERENZSUBPIXELN

Title (fr)

COMPENSATION DE VIEILLISSEMENT DE DISPOSITIF ÉLECTROLUMINESCENT AVEC DES SOUS-PIXELS DE RÉFÉRENCE

Publication

EP 2483885 A1 20120808 (EN)

Application

EP 10761102 A 20100924

Priority

- US 56878609 A 20090929
- US 2010050162 W 20100924

Abstract (en)

[origin: US2011074750A1] An electroluminescent (EL) device including an illumination area having one or more primary EL emitters; a reference area having a reference EL emitter; a reference driver circuit for causing the reference EL emitter to emit light while the EL device is active; a sensor for detecting light emitted by the reference EL emitter; and a measurement unit for detecting an aging-related electrical parameter of the reference EL emitter while it is emitting light. The device further includes a controller for receiving an input signal for each primary EL emitter in the illumination area, forming a corrected input signal from each input signal using the detected light and the aging-related electrical parameter, and applying the corrected input signals to the respective primary EL emitters in the illumination area.

IPC 8 full level

G09G 3/32 (2006.01); **G09G 3/30** (2006.01)

CPC (source: EP KR US)

G09G 3/30 (2013.01 - EP KR US); **G09G 3/32** (2013.01 - KR); **G09G 3/3208** (2013.01 - EP KR US); **G09G 3/3225** (2013.01 - KR); **G09G 3/3233** (2013.01 - EP US); **G09G 2300/0413** (2013.01 - KR); **G09G 2300/0465** (2013.01 - EP KR US); **G09G 2320/0242** (2013.01 - EP KR US); **G09G 2320/029** (2013.01 - EP KR US); **G09G 2320/04** (2013.01 - KR); **G09G 2320/041** (2013.01 - EP KR US); **G09G 2320/043** (2013.01 - EP KR US); **G09G 2320/048** (2013.01 - KR); **G09G 2360/141** (2013.01 - EP KR US); **G09G 2360/145** (2013.01 - EP US)

Citation (search report)

See references of WO 2011041224A1

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